

**AMENDMENT**

**IN THE CLAIMS**

Please cancel claims 1-44, 49-72 and 73-77 without prejudice and amend claims 45-48 as follows.

45. (Twice Amended) An assay to identify compounds isolated from brain tissue that bind a seven transmembrane receptor polypeptide, said assay comprising the steps of:

(a) contacting a composition comprising a seven transmembrane receptor polypeptide having an amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO: 14 or a fragment thereof with a compound suspected of binding the seven transmembrane receptor polypeptide, wherein the compound was isolated from brain tissue; and

(b) measuring binding between the compound and the seven transmembrane receptor polypeptide.

46. (Twice Amended) A method for identifying a modulator of binding between a seven transmembrane receptor polypeptide and a binding partner of the seven transmembrane receptor polypeptide, comprising the steps of:

(a) contacting the binding partner and a composition comprising the seven transmembrane receptor polypeptide in the presence and in the absence of a putative modulator compound, where the seven transmembrane receptor polypeptide comprising an amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO: 14 or a fragment thereof and the binding partner is isolated from brain tissue;

(b) measuring binding between the binding partner and said seven transmembrane receptor polypeptide;

(c) identifying a putative modulator compound in view of decreased or increased binding between the binding partner and seven transmembrane receptor polypeptide in the presence of the putative modulator, as compared to binding in the absence of the putative modulator;

(d) administering the putative modulator compound to a mammalian subject having neurons that express the seven transmembrane receptor polypeptide; and

(e) selecting a putative modulator compound in view of decreased or increased binding between the binding partner and seven transmembrane receptor polypeptide expressed in the mammalian neuron in the presence of the modulator, as compared to binding in the absence of the modulator.

47. (Twice Amended) An assay according to claim 45 or 46 wherein the composition comprises a cell expressing the seven transmembrane receptor polypeptide on its surface.

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